

Application/Control Number: 09/742,560
Art Unit: 3637
October 15, 2002
Page 2

Replace lines 11-14 of page 1 with the following new paragraph:

A1 --Bonding between a metal profile and concrete is difficult to achieve, due to the fact that the profile has smooth flat surfaces arranged in a single unchanging direction and therefore they do not provide the concrete with any grip along such direction.--

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Replace lines 20-22 of page 1 with the following new paragraph:

A2 --Over the years, this type of reinforcement has been modified in different ways, in order to further increase the bonding effect between the reinforcement and the concrete. --

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Replace lines 24-27 of page 1 with the following new paragraph:

A3
--The aim of the present invention is to provide a reinforcement for prefabricated concrete panels which achieves high bonding to the concrete body of the panel, such panels having accordingly a greater mechanical strength and duration---.

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Replace lines 8-13 of page 2 with the following new paragraph:

A4
--This aim and these and other objects which will become better apparent hereinafter are achieved by a reinforcement for prefabricated concrete panels, comprising profiles to be embedded in a concrete body of a panel, said profiles comprising longitudinal profiles and transverse profiles, said longitudinal profiles being reciprocally connected by means of said transverse profiles so as to form a frame, wherein at least some of said longitudinal profiles or said transverse profiles have perforations and undulations which are suitable to increase the bonding between the reinforcement and the concrete body of the panel.--

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Replace lines 10-14 of page 3 with the following new paragraph:

AS
--Preferably, the reinforcement 1 comprises a frame-like structure composed of longitudinal profiles 2 and 3, which are reciprocally connected by transverse profiles 4, 5, 6 and 7. Clearly, the number of longitudinal and transverse profiles can vary according to the requirements and to the dimensions of the panel to be provided.--

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Replace lines 22-28 of page 3 with the following new paragraph:

Ab --In the illustrated embodiment, the intermediate wing 13 has a central portion 16 and two end portions 17 and 18 being joined to the end wings 11 and 12. The portions 16, 17 and 18, except for a reinforcement fold provided in an intermediate region of the extension of the portions 17 and 18, lie on planes which are substantially perpendicular to the planes whereon the end wings 11 and 12 lie and they are reciprocally connected by the two inclined portions 14 and 15--.

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Replace lines 28-30 of page 4 and line 1 of page 5 with the following new paragraph:

A7
--The undulations, according to requirements, can be formed on either coplanar portions or non-coplanar portions of the profiles. In particular, it is possible to provide undulations on the two end wings 11 and 12 in one or more regions and/or undulations on the portions 14, 15, 16, 17 and 18.--.

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Replace lines 6-10 of page 5 with the following new paragraph:

A8
--As shown in particular in Figure 7, wherein the undulations have been designated by the reference numeral 30, the undulations may also be formed on the edges of the perforations 22 so as to arrange the edges of the perforations on different planes in order to affect larger concrete cross-sections at the perforations.--